



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० ८] नई दिल्ली, शनिवार, फरवरी २५, १९७८ (फाल्गुण ६, १८९९)

No. 8] NEW DELHI, SATURDAY, FEBRUARY 25, 1978 (PHALGUNA 6, 1899)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड २

#### [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE

#### PATENTS AND DESIGNS

Calcutta, the 25th February 1978

#### CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated 31st December 1977, in page 1054, column 2, under the heading "OPPOSITION PROCEEDINGS" under item (2) lines 1 and 2 for "Pulling Lifting Machines Private Limited" read "Pulling & Lifting Machines Private Limited".

In the Gazette of India, Part III, Section 2 dated 24th December 1977 in page 1032, column 1, under the heading "AMENDMENT PROCEEDINGS UNDER SECTION 57" in line 17 for "filed" read "filed".

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under the Section 135 of the Act.

19th January, 1978.

67/Cal/78. Ramapada Chatterjee. A tubewell strainer.

68/Cal/78. Bejoyendra Nath Basu. The radial distance effect the rate of uniform circular motion and to determine the value of radial distance that how much it effects the rate of uniform circular motion.

69/Cal/78. Lucas Industries Limited. Contact breaker assembly. (January 26, 1977).

70/Cal/78. Stocznia Szczecinska im. Adolfa Warskiego. Ship hull.

477GI/77

71/Cal/78. Charbonnages DE France. Improvements in or relating to installation and process for regulating the reheating of coking coal.

72/Cal/78. Wharton Engineers (Elstree) Limited. Multicapstan traction unit. (January 20, 1977).

73/Cal/78. Institut Zoologii I Parazitologii Akademii Nauk Litovskoi SSR. Anti-hemocytic serum and a method for the preparation thereof.

74/Cal/78. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. A process for the production of 3-methyl pyridine.

75/Cal/78. Deutsche Gold- Und Silber-Scheideanstalt Vormals Roessler. A process for the production of 2-methyl pyridine and 3-methyl pyridine.

76/Cal/78. Deutsche Gold- Und Silber-Scheideanstalt Vormals Roessler. A process for the production of pyridine and 3-methyl pyridine.

77/Cal/78. J. P. Mathur. A fire detecting and alarm device.

20th January, 1978.

78/Cal/78. Vsosojuzny Nauchno-Issledovatelsky I Proektny Institut P.O. Ochistke Tekhnologicheskikh Gazov, Stochnykh Vod I Ispolzovaniyu Vtorichnykh Energoresursov Predpriyatii Chernoi Metallurgii "Vnipichermetenergoochistka". Tubular cooled members of metallurgical furnace.

79/Cal/78. Bunker Ramo Corporation. Improved fiber optic connector assembly.

80/Cal/78. LE Sentier (Societe Anonyme D'Interets Prives). Apparatus and process for separating materials.

81/Cal/78. Aktiebolaget Medline. Device for at least temporary occlusion of body channels.

82/Cal/78. Union Carbide Corporation. Titanium-modified silyl chromate catalysts for ethylene polymerization.

83/Cal/78. A. E. Staley Manufacturing Company. Process and equipment for chromatographic separation of fructose/dextrose solutions.

84/Cal/78. G. N. Valkanas and D. G. Economidis. Production of chlorine pulp. [Divisional date October 13, 1976].

85/Cal/78. General Electric Company. Temperature resistant abrasive compact and method for making same.

86/Cal/78. V. Jhaverti. A temple roller.

87/Cal/78. R. Badlani. A mechanical actuator.

21st January, 1978

88/Cal/78. Shin-Etsu Chemical Co. Ltd. Method for the polymerization of vinyl monomers.

89/Cal/78. Combustion Engineering, Inc. Band type tube support.

90/Cal/78. Sri Rabindra Nath Das. Electronic cassette tuner.

24th January, 1978.

91/Cal/78. Eisenwerk-Gesellschaft Maximilianshutte MBH. Method and apparatus for continuous gasification of solid and/or fluid carbon-containing and/or hydrocarbon-containing substances in molten iron in a reaction vessel. [Divisional date May 7, 1976].

92/Cal/78. Linde Aktiengesellschaft. Improvements in or relating to the rearing of aquatic animals.

93/Cal/78. Hoya Takeshi and Tuji Tadashi. Solid-Liquid separator.

94/Cal/78. Union Carbide Corporation. Improved hydroformylation process.

95/Cal/78. Union Carbide Corporation. Improved hydroformylation process.

96/Cal/78. Knorr-Bremse GMBH. Compressed-air brake device for rail vehicle.

97/Cal/78. Coulter Information systems, Inc. Apparatus for recording images on a photoconductive medium. [Divisional date February 1, 1975].

25th January, 1978.

98/Cal/78. Plasmesco AG. Process of preparing a serum protein composition for intravenous application.

99/Cal/78. Rueger S. A. Cooking thermometer.

**APPLICATION FOR PATENTS FILED AT THE  
(DELHI BRANCH)**

27th December, 1977.

509/Del/77. Poclain Hydraulics. Device for fixing and driving a displacement member of a vehicle.

510/Del/77. UOP Inc. Improved hydroformylation process. (May 26, 1976).

28th December, 1977.

511/Del/77. Council of Scientific and Industrial Research. Development of a process for the manufacture of low ash carbon from coke breeze.

512/Del/77. Council of Scientific and Industrial Research. Development of a process for manufacturing of mineral wool fibre boards.

513/Del/77. Council of Scientific and Industrial Research. Manufacture of acetic anhydride and compression of ketene simultaneously using a liquid ring type of compressor.

514/Del/77. Council of Scientific and Industrial Research. An improved new all glass extraction apparatus.

515/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to the electrolytic production of glyoxylic acid from oxalic acid.

516/Del/77. Council of Scientific and Industrial Research. Processing of manganese for use as anode in cathodic protection.

517/Del/77. Council of Scientific and Industrial Research. A process for making active silica and sodium silicate using paddy husk as raw material.

518/Del/77. Council of Scientific and Industrial Research. Crusher-cum-juice expeller.

519/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to a "wave recorder" for measurement of waves in sea.

520/Del/77. Council of Scientific and Industrial Research. A process for making molecular sieve zeolites from paddy husk.

521/Del/77. Council of Scientific and Industrial Research. A process for simultaneous electrowinning of zinc and manganese dioxide in the same cell from sulphur bearing zinc concentrate and manganese ore.

522/Del/77. Council of Scientific and Industrial Research. A new method of supporting roof or side walls and a rope bolt for use in the same.

523/Del/77. Council of Scientific and Industrial Research. A process for the preparation of new yellow to violet azo N-substituted pyridone disperse dyes for synthetic fibres.

524/Del/77. Bayer Aktiengesellschaft. Fluorescent dyes.

29th December, 1977.

525/Del/77. Dr. M. S. Rao and P. K. Bajpai, & Dr. K. V. G. K. Gokhale & Director, Indian Institute of Technology, Kanpur. Process knowhow of manufacture of violet azo N-substituted pyridone disperse dyes for silica from rice-husk ash.

526/Del/77. Dr. M. D. Aggarwal and Dr. D. R. Vij. An automatic flexible electric heating pad.

30th December, 1977.

527/Del/77. Sir Padampat Research Centre. Universal polymerization process for production of polycaprolactam (Nylon-6) for varied and uses.

**APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)**

9th January, 1978.

3/Mas/78. N. Mohan Kumar, Tamper-proof encaser for AC (single phase & three phase) energy meters.

**ALTERATION OF DATE**

143915. } Ante-dated 10th December, 1975.  
1632/Cal/76. }

**COMPLETE SPECIFICATION ACCEPTED.**

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue of or form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents at the appropriate office

as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as provided in Rule 35 of the Patents Rules, 1972.

The Classifications given below in respect of each specification are according to Indian Classification and International Classification".

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

**CLASS 641.** 143902.

Int. Cl.-H01r 5/00.

#### CABLE SPLICE ASSEMBLY.

*Applicant* : WALTER ALLEN PLUMMER, OF 3546 CROWNridge DRIVE, SHERWAN OAKS, CALIFORNIA 91403, UNITED STATES OF AMERICA.

*Inventor* : EDWARD SAMUEL PLASKON.

Application No. 186/Cal/74 filed May 30, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An electrical cable splice assembly for protecting each spliced conductor in a cable comprised of one or more conductors, comprising an inner cover circumferentially surrounding each said spliced conductor, each of said inner covers being comprised of a generally cylindrical flexible sheet material having a first pair of interlocking tracks fixably secured to corresponding edges along the length thereof and interlocked with each other securing said inner cover about each said conductor, each of said inner covers having apertures disposed therethrough to allow a liquid to pass from the exterior to the interior thereof; an outer jacket circumferentially surrounding said conductors and each said inner cover, said outer jacket being comprised of a generally cylindrical flexible sheet material having second pair of interlocking tracks fixably secured to corresponding edges along the length thereof said second pair of tracks securing said outer jacket around said conductors and each of said inner covers, said outer jacket having fixably secured thereto at least one valve arranged and configured to allow a liquid to pass from the exterior to the interior thereof; and an insulating means disposed within the volume of space between said outer jacket and each said inner cover, and between each said inner cover and said corresponding spliced conductor; whereby said splice assembly protects said conductors from the element.

**CLASS 206-E.** 143903.

Int. Cl.-H01r 1/00.

#### BIPOLAR TRANSISTOR.

*Applicant* : R C A CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK 10020, UNITED STATES OF AMERICA.

*Inventors* : CHARLES WILLIAM MUELLER AND EDWARD CURTIS DOUGLAS.

Application No. 2721/Cal/74 filed December 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A planar bipolar transistor comprising : an electrically insulating substrate, a mesa comprising a layer of single-crystal semiconductor material on a surface of said substrate, said

layer having a thickness of between about 0.5  $\mu$ -m and about 5  $\mu$ m, a base region implanted in portion of said layer, said layer comprising a collector region, and an emitter region implanted in a portion of said base region.

**CLASS 155F<sub>a</sub>, 164A & C & 201-D.**

143904.

Int. Cl. B27k 5/00; C02b 1/82.

#### AN ANTIFOULING COATING MATERIAL FOR UNDERWATER SURFACES.

*Applicant & Inventor* : OYSTEIN RASMUSSEN, OF HOSLEVEIEN 119, 1340 BEKKESTUA, NORWAY.

Application No. 376/Cal/76 filed February 27, 1975.

Appropriate office for opposition Proceedings. (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

An antifouling coating material for an underwater surface for impeding and at best preventing the fouling of the surface by living organisms, which coating material comprises a solid material which adheres to and covers the surface and is sparingly or not soluble in water, to which coating-forming material is added at least one chlorine—and/or bromine—and/or iodine-releasing compound which slowly liberates free halogen on contact with water.

**CLASS 40F & 108B<sub>a</sub>.**

143905.

Int. Cl.-B01j 1/00; 1/06.

C21b 13/08; & 1/06.

#### PROCESS FOR THE DIRECT REDUCTION OF IRON OXIDE-CONTAINING MATERIALS IN A ROTARY KILN.

*Applicant* : METALLGESELLSCHAFT AG. OF 6 FRANKFURT A. M. RETUTEWEG 14, WEST GERMANY.

*Inventors* : GERHARD REUTER, AND WOLFRAM SCHNABLE.

Application 674/Cal/75 filed April 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A process for the direct reduction of iron oxide-containing materials, preferably iron ores, to produce sponge iron by a treatment with solid carbonaceous reducing agents such as brown coal in a rotary kiln at a temperature below the softening and melting point of the charge in which the kiln atmosphere flows opposite to the direction of movement of the charge, at least a part of the said solid carbonaceous reducing agents being charged into the rotary kiln at the charging end thereof, and known oxygen-containing gases as defined herein are fed into the rotary kiln, characterized in that highly reactive solid carbonaceous reducing agent such as brown coal containing 20—50% volatile constituents is introduced in full or at least a part thereof in agglomerated form into the rotary kiln at the charging end thereof and is heated up at such a rate that the agglomerates disintegrate into fine particles as herein defined in and before the end of the heating-up zone of the rotary kiln and when a part of the said reducing agent is added at the charging end, then the remaining part of said solid highly reactive carbonaceous reducing agent is introduced into the rotary kiln at the discharge end thereof in the direction of flow of the kiln atmosphere.

**CLASS 32F<sub>a</sub>. & 70-C<sub>7</sub>.**

143906.

Int. Cl.-C07c 85/12.

#### PROCESS FOR ELECTROCHEMICAL PREPARATION OF BETA-PHENYL ETHYLAMINE HYDROCHLORIDE FROM BENZYL CYANIDE.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : HANDADY VENKATAKRISHNA UDUPA, VENKATASUBRAMANIAN KRISHNAN, AND KANAKA-SABAPATHY RAGUPATHY.

Application No. 748/Cal/75 filed April 14, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 2 Claims.

A process for the electrochemical production of beta-phenylethylamine hydrochloride from benzylcyanide characterised in that palladium black is deposited over a graphite cathode and subsequent electro-reduction of benzylcyanide in aqueous ethanolic hydrochloric acid medium using the said graphite cathode to beta-phenylethylamine hydrochloride is carried out.

CLASS 129Q.

143907.

Int. Cl.-B23k 29/00.

WELDMENT FOR BULLDOZER BLADES AND METHOD AND APPARATUS THEREFOR.

*Applicant* : CATERPILLAR TRACTOR CO., OF 100 N. E. ADAMS STREET, PHOENIX, STATE OF ILLINOIS 61602, UNITED STATES OF AMERICA.

*Inventor* : THOMAS PATRICK CASEY.

Application No. 1089/Cal/75 filed May 30, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims.

A weldment comprising a first member, a groove of predetermined depth formed on a surface of said first member and terminating at one side thereof at a contiguous, raised dam of predetermined height above said surface,

a second member having a corner thereof disposed at said groove and closely adjacent to said dam; and

Common weld means at least substantially filling said groove and securing said first and second members together.

CLASS 65B. &amp; 129A &amp; 172E.

143908.

Int. Cl.-B65h 54/02.

A HAND WINDING MACHINE FOR WINDING COILS ON MULTIPLE LEGS OF A FORMER.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : JAWWANT SINGH & FATEH SINGH.

Application No. 1384/Cal/75 filed July 16, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 1 Claim.

A hand winding machine for winding coils on multiple legs of a former comprising (i) a chuck on which are mounted, (ii) two springy slotted pins one of which rotates concentrically with the chuck and the other rotates off centre, (iii) a multi legged former, one of which legs is placed on the concentrically rotating springy slotted pins while an other leg of the multi legged former is simultaneously fixed on the off centre pin, (iv) a spring loaded sleeve mounted on the shaft opposite the chuck in the same axis, the said sleeve having a circular neck, (v) a screw is provided on the sleeve, the end of which screw goes in a longitudinal slot in the shaft, a spool of wire provided on a stand, e.g., on the machine base to release wire from the spool on to the concentrically mounted former leg whereby when the chuck is rotated the wire is released from the spool and gets wound on the concentrically placed former leg, and whereby after winding the centrally mounted former leg, it is removed from the springy pins and the off centre leg is then mounted on the central pin and the operation is repeated whereby the coil can be wound on the second and other legs also.

CLASS 139-A.

143909.

Int. Cl.-C09c 1/48.

PRODUCTION OF HIGH STRUCTURE FURNACE CARBON BLACKS.

*Applicant* : CABOT CORPORATION, OF 125 HIGH STREET, BOSTON, MASSACHUSETTS, UNITED STATES OF AMERICA.

*Inventors* : RANDOLPH ANTONSEN, (2) ALLAN CLARK MORGAN, (3) ROGER THEODORE BALL, (4) RONALD CARVIN HURST, (5) DENNIS JACK POTTER AND ROBERT IVAN WOOD.

Application No. 1627/Cal/75 filed August 21, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

## 8 Claims. No drawings.

In a modular process for producing furnace carbon blacks having increased structure as defined herein, characteristics as represented by increased DBP values of the blacks and lower extrusion shrinkage values of rubber formulations containing said blacks wherein a fuel and an oxidant are reacted in a first stage so as to provide a stream of hot combustion gases possessing sufficient energy to convert a carbon black-yielding liquid hydrocarbon make to carbon black which stream is propelled at a high linear velocity into a second stage where the liquid hydrocarbon make is injected, in the form of a plurality of coherent jets, into said gaseous stream substantially transversely and under sufficient pressure to achieve the degree of penetration required for proper shearing and mixing whereby in a third stage the hydrocarbon make is decomposed and converted by any one of known methods into carbon black prior to termination of carbon forming reaction by quenching, the improvement which comprises introducing an auxiliary hydrocarbon either liquid or gaseous with the preferred liquid in an amount such that the carbon content of the auxiliary hydrocarbon ranges from 2 to 60% by weight based upon the total carbon content of the reactants and in a form not yet reacted so as to produce carbon black particles at the zone of substantial reaction as herein described in the carbon forming process wherein the hydrocarbon make, previously introduced, mixed, atomized and vaporized, is at the moment undergoing the carbon forming reactions to form the carbon particles which zone is located from 2 to 60% of the distance from the point of injection of hydrocarbon, make to the point of introduction of the quenching medium and then cooling, separating and recovering by any one of known methods the resultant higher-than-normal structure carbon black.

CLASS 32A.

143910.

Int. Cl.-C09b 21/00; 27/06.

PROCESS FOR THE PREPARATION OF AZO COMPOUNDS.

*Applicant* : SANDOZ LTD., OF LIGHTSTRASSE 35, 4002 BASEL, SWITZERLAND.

*Inventor* : BANSI LAL KAUL.

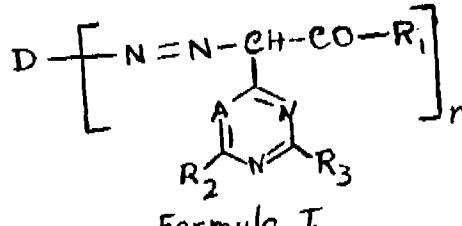
Application No. 1859/Cal/75 filed September 29, 1975.

Convention date October 1, 1974 (42506/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

A process for the production of a compound of formula I.



in which  $\text{R}_1$  signifies a group of formula  $-\text{NH}_2$ ,

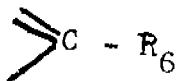
$-\text{NH}-\text{R}_4$  or  $-\text{O}-\text{R}_4$ , in which

$\text{R}_4$  signifies a  $(\text{C}_{1-8})$  alkyl radical,  $(\text{C}_{6-10})$  cycloalkyl radical, unsubstituted phenyl, naphthyl or heterocyclic radical of aromatic character or a phenyl, naphthyl or heterocyclic radical of aromatic character substituted by up to 3 substituents selected from chlorine, bromine,  $(\text{C}_{1-8})$  alkyl and  $(\text{C}_{1-8})$  alkoxy and upto one trifluoromethyl, sulphoguanidine, nitro, cyano or a group of formula

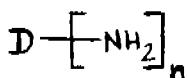
$\text{-CO-NH-R}_n$  or  $\text{-SO}_2\text{NH-R}_n$ , in which  $R_n$  signifies a ( $C_{1-n}$ ) alkyl, ( $C_{n-n}$ ) cycloalkyl, an unsubstituted phenyl or naphthyl radical, or a phenyl or naphthyl radical substituted by up to three substituents selected from up to 2 halogen atoms, ( $C_{1-n}$ ) alkyl and ( $C_{1-n}$ ) alkoxy radicals, and/or one trifluoromethyl, nitro, cyano, phenyl-aminocarbonyl or -sulphonyl.

each of  $R_2$  and  $R_3$  which may be the same or different, signifies a hydrogen atom, a hydroxyl, ( $C_{1-n}$ ) alkoxy amino, ( $C_{1-n}$ ) alkylamino, ( $C_{1-n}$ ) dialkylamino, phenyl- or naphthyl-amino or N-phenyl-N-( $C_{1-n}$ ) alkylamino group.

A signifies a nitrogen atom or a group of formula shown in Fig. 1.

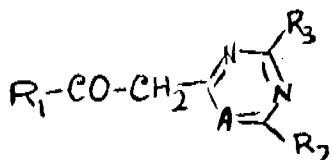


in which  $R_n$  signifies a hydrogen or halogen atom or a ( $C_{1-n}$ ) alkyl radical, either  $n$  signifies 1 and D signifies the radical of the diazo component, or  $n$  signifies 2 and D signifies the radical of the tetrazo component, and the molecule is free from sulphonic acids groups, comprising coupling a diazotized or tetrazotized amine of formula II.



Formula II

in which D and n are as defined above, with a compound of formula III.



Formula III

in which  $R_1$ ,  $R_2$ ,  $R_3$  and  $\Delta$  are as defined above, in a 1 : 1 or 1 : 2 molar ratio.

CLASS 39-L. 143911.  
Int. Cl.-C01g 45/02.

#### PROCESS FOR THE PREPARATION OF SYNTHETIC MANGANESE DIOXIDE.

Applicant : RHEINISCH- WESTFALISCHES ELEKTRIZITÄTSWERK A. G. OF 43 ESSEN, KRUPPSTRASSE 5, FEDERAL REPUBLIC OF GERMANY.

Inventors : PETER FABER, (2) DR. JEAN BRENET, (3) HELMUT SITTINGER.

Application No. 2046/Cal/75 filed October 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawing.

Process for the preparation of synthetic manganese dioxide from manganese -11 salt, whereby the manganese -11 salt, is heated and oxidized to manganese dioxide, characterized in that the manganese-11, salt, in a finely divided to extremely-divided form is heated by a flow of hot gas which consists of an oxygen-containing gas (e.g. air oxygen, or air enriched with oxygen) or of an oxygen-free, inert gas to a temperature below 280°C, preferably to a temperature of 120°—250°C and is thereby also oxidized.

CLASS 34A & 148-L. 143912.  
Int. Cl.-C08g 1/36, C23c 13/00.

#### PROCESS AND APPARATUS FOR PRODUCING COMPOUND THIN FILMS.

Applicant : INSTUMENTATIUM OY, OF ELIMAEN-KATU 22-24, 00510 HELSINKI 51, FINLAND.

Inventors : TUOMO SUNTOLA AND JORMA ANTSON.  
Application No. 2234/Cal/75 filed November 24, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process for producing compound thin films as hereinbefore defined by deposition from the gaseous phase, characterized in that the solid-phase surface to be produced is reacted in the manner hereinbefore described stepwise with vapours, one at a time, in the manner hereinbefore described, each of them containing only one such elementary component belonging to the said compound, whereby as a result of surface reaction there is bound on the surface at most one atomic layer of the element in question in each reaction step.

CLASS 130-I & F & 198B.

143913.

Int. Cl.-C22b 1/00; 3/00.

#### NEW PROCESS FOR ENRICHMENT BY FLOTATION OF PIOSPHATE ORES WITH GANGUES CONTAINING CARBONATES.

Applicant : OFFICE CHERIFIEN DES PHOSPHATES, OF 305, AVENUE MOHAMMED V, ROBAT, MOROCCO.

Inventor : SMAËL MOHAMMED SMANI MOROCCAN.

Application No. 2557/Cal/74 filed October 29, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

Process for enrichment, by flotation, of sedimentary phosphate ores with gangues containing carbonates, comprising :

first subjecting the ore to a treatment modifying the surface physical-chemical properties of the phosphated particles which the ore or be treated contains, with the aid of agents to modify said physical properties, which agents consist essentially of at least one metal salt chosen in the group consisting of aluminium and iron and at least one complexing agent which exerts a chelating action on the phosphated particles previously conditioned by the metal salt, to form a surface complex on said particles, which complexing agent consists in a tartaric acid in the free state or in the form of one of its salts;

then, during a second stage, adding a flotation collector of the carbonates, consisting essentially of an anionic surfactant with a hydrocarbon chain containing 8 to 20 carbon atoms, which achieves flotation of the carbonate, the formation of the surface complex on the phosphated particles preventing fixation of the collecting agent on the said particles; and

recovering the depressed product, essentially comprised of the sought-after phosphated concentrate.

CLASS 82 & 83B.

143914.

Int. Cl.-A01k 63/00, B65d 85/50.

#### APPARATUS FOR THE LIVE STORAGE AND TRANSPORT OF TABLE FISH ESPECIALLY SHELL FISH.

Applicant : TRANS-HOMARD-LANG LIMITED, OF 93 UPPER LEESON STREET, DUBLIN 4, REPUBLIC OF IRELAND.

Inventor : WILLIAM JOHN WILSON.

Application No. 785/Cal/76 filed May 5, 1976.

Convention date May 5, 1975 (1002/75) Eire.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

Apparatus for the live storage and transport of table fish especially shellfish, in a unitary assembly of discrete compartments with pump means for delivering water into and, overflow means for removing water from each compartment, wherein each compartment comprises an optionally subdivided table fish-supporting trough and a tubular container within which the trough can be withdrawably housed.

CLASS 55A. 143915.

Int. Cl.-A611 13/00.

**A METHOD OF TREATING MEDICAL AND SURGICAL INSTRUMENTS HOUSEHOLD OBJECTS, TO RENDER THEM STERILE.**

*Applicant* : ARBROOK, INC., AT 2500 ARBROOK BOULEVARD, ARLINGTON, TEXAS, U.S.A.

*Inventor* : DAVID CHEE FAI LAW.

Application No. 1632/Cal/76 filed September 6, 1976.

Division of Application No. 2317/Cal/75 filed December 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A method of treating medical and surgical instruments and household objects, to render them sterile, which comprises subjecting said instruments and objects to the action of disinfectant agent having synergistic effects said disinfectant comprising an aqueous solution of oxydiacetaldehyde having a synergistic agent as herein described or a mixture thereof.

CLASS 70A & B & C<sub>o</sub> & 39B & C. 143916.

Int. Cl.-B01k 1/00 & 3/00;

C01b 7/06 & C01d 1/06.

**AN IMPROVED ELECTROLYTIC CELL.**

*Applicant* : HOOKER CHEMICALS & PLASTICS CORPORATION, OF 47TH & BUFFALO AVENUE, NIAGARA FALLS, NEW YORK, UNITED STATES OF AMERICA.

*Inventors* : EDWARD HOOPES COOK, JR. AND ALVIN THEODORE EMERY.

Application 1441Cal/74 filed June 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

An improved electrolytic cell which comprises a cell body having an anode compartment containing an anode, a cathode compartment containing a cathode and at least one buffer compartment between said anode and said cathode compartments, said compartments being separated from each other by at least one barrier, which is substantially impervious to fluids and gases, selected from a hydrolyzed copolymer of a perfluorinated hydrocarbon and sulfonated perfluorovinyl ether and a sulfosilylenated perfluorinated ethylene propylene polymer.

CLASS 107-G. & 175-H. 143917.

Int. Cl.-F16j 15/16.

**FISTON AND CYLINDER ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE.**

*Applicant* : CUMMINS ENGINE COMPANY, INC., OF COLUMBUS, INDIANA-47201, UNITED STATES OF AMERICA.

*Inventor* : HARRY EDWIN HARKER.

Application No. 2494/Cal/74 filed November 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 21 Claims.

An internal combustion engine piston comprising a crown section and a depending skirt section having an external thrust area characterised by the provision of a vibration damping insert mounted on the thrust area of the skirt section by a sliding movement in a transverse tangential direction relative to the skirt section without any further securing of the insert to the piston and capable when in operation of continuous sliding engagement with the interior surface of an engine cylinder, the said insert being slidably removable when the insert is out of engagement with the cylinder interior surface by manipulation in a direction transverse to the direction of reciprocation movement of the piston within the cylinder.

CLASS 141-D. 143918.

Int. Cl.-C22b 3/00.

**A METHOD FOR BENEFICATION OF MAGNESITE ORES.**

*Applicant* : FINANCIAL MINING-INDUSTRIAL AND SHIPPING CORPORATION, OF 18-20, SIKELIAS STREET, ATHENS 404, GREECE.

*Inventors* : ANTHONY FRANGISKOS AND THEODOR GAMBOPoulos.

Application No. 2821/Cal/74 filed December 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims. No drawings.

A process for the beneficiation of magnesite ores by the recovery of pure magnesite from said ores containing magnesite, serpentine and other gangue material, characterized by conditioning the crushed magnesite ore in an aqueous suspension containing by volume 1 per cent diesel oil and 0.15 per cent mixture of cationic collector comprising quaternary ammonium chlorides and primary amines for activating the surface of the serpentine and the other gangue material, again conditioning the crushed ore in a suspension of a finely divided strongly ferromagnetic material so as to achieve selective absorption on the surface of the serpentine and the other gangue material as well as on the strongly siliceous and carbonaceous particles of the ore; and removing the serpentine and the other gangue material as well as the strongly siliceous and carbonaceous particles of the ore from the remainder of the ore by means of a magnetic separator to obtain a magnesite concentrate.

CLASS 31-C & 188. 143919.

Int. Cl.-B01j 17/32;

C23c 11/08 and 13/04.

**METHOD OF SELECTIVELY DEPOSITING GLASS ON SEMICONDUCTOR DEVICES.**

*Applicant* : R C A CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK 10020, UNITED STATES OF AMERICA.

*Inventor* : ROBERT BENEDICT COMIZZOLI.

Application No. 232/Cal/75 filed February 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A method of selectively depositing glass coating forming a layer of glass on either bare semiconductor areas or on areas coated with a layer of insulating material of a semiconductor device having both types of said areas, characterized by comprising:

depositing charges of a particular polarity on said insulating material,

immersing the charged device in a liquid composition comprising an insulating liquid containing a charging agent as defined herein and dispersed glass particles carrying a charge of particular polarity such that the glass particles deposit selectively on either said bare exposed areas of semiconductor or on said areas coated with insulating material, removing the glass-coated device from the liquid composition, drying and firing the coated device at a temperature high enough to fuse said glass.

CLASS 206E.

143920.

Int. Cl.-H02p 13/00.

A CONTROL CIRCUIT FOR AN OVERLAPPED CONTROL OF MULTIPHASE D-C PULSE CONVERTERS WITH THYRISTORS.

*Applicant*: CKD PRAHA, OBOROVY PODNIK, OF PRAHA, CZECHOSLOVAKIA.

*Inventor*: PREMYSL HOLUB.

Application No. 314/Cal/75 filed February 19, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims.

A control circuit for an overlapped control of multiphase d-c pulse converters with thyristors consisting of a superior voltage-frequency converter of at least two subordinated voltage-frequency converters of a source of a symmetrical counting voltage and multistable flip-flop, which comprises that an input of the superior voltage-frequency converter and inputs of the subordinated voltage-frequency converters are connected to an input of the control circuit, then an output of a positive counting voltage of a source of the symmetrical counting voltage is connected to the infeed of the positive counting voltage of the superior voltage-frequency converter and to infeeds of the positive counting voltage of the subordinated voltage-frequency converter, an output of a negative counting voltage of the source of the counting voltage is connected to an infeed of the negative counting voltage of the superior voltage frequency converter and to infeeds of the negative counting voltage of the subordinated voltage-frequency converters, the output of the superior voltage-frequency converter is connected to an input of a multistable flip-flop, the outputs of which are connected to synchronizing inputs of the subordinated voltage-frequency converters and they are let out simultaneously onto other output terminals for switching e.g. auxiliary thyristors of the respective pulse converters in individual phases, the outputs of the subordinated voltage-frequency converters are let out onto the first input terminals for switching e.g. main thyristors of the pulse converters.

CLASS 184.

143921.

Int. Cl.-B65d 87/06 &amp; 25/24.

IMPROVED STORAGE OR LIKE TANK CONSTRUCTION.

*Applicant*: METAL-CLADDING, INC., OF 470 NIAGARA PARKWAY, TOWN OF NORTH TONAWANDA, COUNTY OF NIAGARA, STATE OF NEW YORK, UNITED STATES OF AMERICA.

*Inventors*: VINCENT JOSEPH ROSSITTO, (2) ROBERT EARL BAKER, (3) JAMES JOSEPH JARVIS AND JAMES NICHOLAS DESERIO.

Application No. 437/Cal/75 filed March 6, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 20 Claims.

An upstanding fiberglass reinforced plastic storage or like tank structure including an open-top annular side wall structure having an upper portion of said structure configured as a segment of a cylinder, wherein: a stiffening member located at the upper end of such segmented portion for increasing the flexure resistance thereof, said member including:

an inner flange portion secured to said segmented portion and extending upwardly therefrom, said inner flange portion being configured as a cylindrical segment;

a web portion formed integrally with an extending radially outwardly from an upper part of said inner flange portion; and

an outer flange portion configured as a cylindrical segment formed integrally with an depending from an outer part of said portion and arranged generally concentric with and spaced radially from said inner flange portion.

CLASS 40F &amp; 99E.

143922.

Int. Cl.-B08b 9/08.

#### APPARATUS FOR CLEANING CONTAINERS.

*Applicant*: CLEAMAX LIMITED, OF 35 THE CAUSEWAY, POTTERS BAR, HERTFORDSHIRE, ENGLAND.

*Inventors*: JOHN MAXWELL JOCKSON.

Application No. 517/Cal/75 filed March 17, 1975.

Convention date March 21, 1974 (12651/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 23 Claims.

Apparatus for cleaning open-mouthed containers of a given size, the apparatus comprising a frame; a turret rotatably mounted on said frame; a plurality of pot assemblies supplementary converters of a source of a symmetrical counting voltage and a lid co-operating with said core and shell to define a cavity for reception of one of said containers and said cavity having at least one wall; means for centering the container in the cavity, the cavity having a shape and a size such that the container therein subdivides the cavity into two chambers in which the wall of the cavity is spaced close to the inside and outside surfaces of the container, and conduit means for passing cleaning fluid through said chambers so that the cleaning fluid fills the chambers and flows along the inside and outside surfaces of the container, drive means operable to rotate the turret so that each pot assembly passes in succession past a container unloading station and a container loading station, lid control means operable to move the lid of each pot assembly into an open position immediately prior to passage of the pot assembly past said unloading station to permit ejection of a cleaned container at said unloading station and introduction of a container to be cleaned into the cavity of the pot assembly at said loading station, said lid control means also being operable to move the lid of each pot assembly into a closed position immediately after passage of the pot assembly past said loading station and valve means for regulating flow of fluid through said conduit means and chambers only during passage of each pot assembly between said loading station and said unloading station.

CLASS 88-D.

143923.

Int. Cl.-C10j 3/06.

#### A CONTINUOUS PROCESS FOR THE PRODUCTION OF GASEOUS MIXTURES.

*Applicant*: TEXACO DEVELOPMENT CORPORATION, OF 135 EAST 42ND STREET, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

*Inventor*: WILLIAM LEON SLATER.

Application No. 608/Cal/75 filed March 25, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims. No drawings.

A continuous process for the production of gaseous mixtures comprising  $H_2$ ,  $CO$ ,  $CO_2$ ,  $HO_2$ , and optionally containing gases from the group  $H_2S$ ,  $COS$ ,  $CH_4$ ,  $Ar$ ,  $N_2$  and mixtures thereof and containing particulate carbon by the partial oxidation of a hydrocarbonaceous fuel containing less than about 300 parts per million (basis weight of said hydrocarbonaceous fuel) of alkali metals form the group  $Na$ ,  $K$ ,  $Li$ , or mixtures thereof with a free oxygen containing gas in the amount providing an atomic ratio of oxygen to carbon in the hydrocarbonaceous fuel in the range of 0.80 to 1.1, in the presence of a temperature moderator, said partial oxidation reaction taking place in the free-flow unpacked reaction zone of a gas generator at an autogeneous temperature in the range of 1500 to 3500°F, and a pressure in the range of 1 to 200 atmospheres; the effluent gas stream from the reaction zone being cooled by quenching and scrubbing with water in a quench and scrubbing zone, or by indirect heat exchange with water in a gas cooler, and further comprising introducing into said reaction zone along with said reactants a supplemental amount of alkali metal compound which contains an alkali metal from

the group Na, K, Li, and mixtures thereof to raise the level of said alkali metal in the reaction zone to a value in the range of 350 to 13,000 parts per million (basis weight of hydrocarbonaceous fuel).

## CLASS 156-D.

143924.

Int. Cl.-F04b 1/00.

## DREDGE PUMP.

*Applicant* : KONIJN MACHINEBOUW B. V. OF ELECTRONWEG (HN SO), HOORN, THE NETHERLANDS, AND BAGGER - EN CONSTRUCTIEBEDRIJF JOHAN KLIP B. V. OF DORPSSTRAAT 77, BERKENWOODE, THE NETHERLANDS.

*Inventor* : JOHAN KLIP.

Application No. 913/Cal/75 filed May 7, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

Dredge pump, consisting of a volute pump casing, with a lateral round suction opening and with an outlet, in which pump casing an impeller is mounted which consists of a front plate with an opening adjoining the suction opening of the pump casing, of a back plate which is connected to a drive shaft supported in the pump casing and coupled to a motor and of two blades extending between the front plate and the back plate and connecting these to each other, one of which blades, which has at least substantially the form of a circular arc at its end nearest the axis of rotation and subsequently increases in radius, forms a passage which is connected through the opening in the front plate to the suction opening of the pump casing and which is passed in the direction of its lateral outlet by all dredged material which is to be pumped, one end of the second blade adjoining the aforementioned end of the first blade radially on the outside and the other end of this second blade lying at least substantially diametrically opposite the other end of the first blade, the two blades, viewed from the axis of rotation, having a concave curvature, characterized in that the passage formed by the first blade increases gradually in width from the central inlet towards the lateral outlet said central inlet being bounded by the part of the blade having at least substantially the form of a circular arc, and in that the front plate and the back plate having a cutting edge along at least the greater part of their periphery, said cutting edge being located in their outer surface, while the two blades are provided on their front side, as seen in the direction of rotation, with a cutter shaped rib which is parallel to the front plate and the back plate

## CLASS 164-C.

143925.

Int. Cl.-C02c 1/18.

## PROCESS FOR THE ISOLATION OF TITANIUM AND ALUMINIUM COMPOUNDS FROM EXTRACTION WASTE WATER.

*Applicant* : HOECHST AKTIENGESELLSCHAFT OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : RAINER KLEIN, (2) JURGEN HELBERG.

Application No. 1298/Cal/75 filed July 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

Process for the isolation of titanium and aluminium compounds from extraction waste water which occurs upon polymerizing olefins and which contains from 0.5 to 3 weight % of alcohols and titanium and aluminium compounds and hydrogen halide acid or inorganic bases and alkali halide, which comprises that the waste water is adjusted to a pH of from 4.5 to 9.5 at a temperature of from 40 to 80°C and that the precipitated titanium and aluminium compounds are separated.

## CLASS 117-A.

143926.

Int. Cl.-E05b 55/00.

## IMPROVEMENTS IN OR RELATING TO LOCKS.

*Applicant & Inventor* : ABDUL LATIF, OF LATIF PRECISION WORKS, 24, CHOWRINGHEE ROAD, CALCUTTA-700013, WEST BENGAL, INDIA.

Application No. 1487/Cal/75 filed July 29, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A lock device comprising a main body portion and a detachable portion said main body portion being provided with engageable means comprising a spring loaded ratchet located within said main body portion for cooperation with interlocking means provided on said detachable portion, said interlocking means comprising an outwardly extending ratchet rigidly mounted on said detachable portion, said main body portion also being provided with locking means comprising a rotatable eccentric circular disc member for locking said main body portion and said detachable portion together.

## CLASS 24-D.

143927.

Int. Cl.-B60L 7/00.

## ELECTROPNEUMATIC COMPRESSED AIR BRAKE FOR RAIL VEHICLES.

*Applicant* : KNORR-BREMSE CMBH., OF 8000 MUNICHEN 40, MOOSACHER STRASSE 80, GERMAN FEDERAL REPUBLIC.

*Inventors* : CURT HOCHHUTH, (2) HERBERT MESSER-SCHMIDT, (3) WOLFGANG GRUNERT AND (4) PETER PICK.

Application No. 1558/Cal/75 filed August 8, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

Electropneumatic compressed air brake for rail vehicles with a main air conduit controlling pneumatically by means of its pressure behaviour a multi-release brake control valve, which monitors the admission of compressed air by pressure of a brake cylinder from a compressed air source via brake jet as also the pressure release of the same to the atmosphere via a release jet, and with a relay valve possessing a control piston, where compressed air admission is monitored by a brake and a release solenoid valve, the relay valve possessing for the main air conduit one valve section monitoring the pressure release to the atmosphere and one valve section monitoring the feeding of compressed air from a compressed air tank, wherein the brake solenoid valve (29) designed as a double-seat solenoid valve monitors admission of compressed air from a compressed air storage tank (10) as also the pressure release into the atmosphere of a first admission chamber (39) of a relay valve 40 on one side of the diaphragm piston (42) and that the release solenoid valve (30) is designed as double-seat solenoid valve monitors the admission of compressed-air from the compressed-air tank (10) as well as the pressure release into the atmosphere of a second admission chamber (41) to the other side of the diaphragm control piston (42) and the control piston (42) on the side of the first control chamber (39) is coupled via impact couplings (43) to two tappet valves (45 and 46) spring-loaded in closing direction, of which one tappet valve (45) is arranged in connection (50, 51) through the compressed-air tank (10) to the main air conduit (1) and the other tappet valve (46) is connected to pipe (55) for the exhaust valve (26) and that the control piston (42) on the side of the second control chamber (41) is coupled via impact couplings (43) with two further tappet valves (47 and 48) which are spring-loaded in closing direction, of which the one tappet valve (47) is arranged in the evacuation line (50, 53) from the main air conduit (1) to the atmosphere and the other tappet valve (48) is connected via (57, 57') to the brake jet (22).

## OPPOSITION PROCEEDINGS

An opposition has been entered by Council of Scientific and Industrial Research to the grant of a patent on application No. 142383 made by Metallgesellschaft A. G.

**PRINTED SPECIFICATION PUBLISHED.**

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

97196 100198 100199 102369 102379 102425 102437 102645  
 102996 103043 103349 103461 103526 103565 103596 103622  
 103654 103658 103710 103711 103726 103735 103741 103747  
 103758 103771 103773 103777 103789 103790 103791 103804  
 103817 103832 103959 103963 103964 104035 104053 104247  
 104364 104386 104461 104483 104563 104675 104705 104721  
 104755 104775 104823 104918 104965 104995 105210 105214  
 205267 105397 105473 105863 106152 106337 106338 106408  
 106421 106446 106449 106536 106677 106761 106846 106886  
 106941 106966 107041, 107067 107246 107350 107377 107384  
 107453 107487 107754 107987 108626 108973 109138 109641  
 109911 109977

**CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970**

The claim made by Indian Oil Corporation Limited under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 143644 in their name has been allowed.

(2)

The claim made by Indian Oil Corporation Limited under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 143645 in their name has been allowed.

(3)

The claim made by Indian Oil Corporation Limited under Section 20(1) of the Patents Act 1970 to proceed the application for Patent No. 143646 in their name has been allowed.

**COMMERCIAL WORKING OF PATENTED INVENTIONS.**

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year, 1976 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purposes.

Sl. No.	Patent No.	Date of Patent	Name & Address of Patentee.	Brief title of the invention.
1	2	3	4	5
1.	127990	12-8-1970	Leningradsky Metallichesky Zawod Imeni XXII Siezda Koss, Sverdlyoskaya naberezhnaya 18, Leningrad, U.S.S.R.	Overspee dprotection of a hydrogenerator.
2.	12800	12-8-1970	Emhart Corp., 426 Colt Highway, Farmington, Connecticut 06032, U.S.A.	Foreign particle inspecting machine for liquid filled containers such as ampouls.
3.	128019	14-6-1971	Ahmedabad Textile Industries Research Association, P.O. Polytechnic, Ahmedabad-15	Machine for washing textiles.
4.	128064	18-8-1970	Francis Beatty Fishburne, 24 Summit Drive, Asheville, North Carolina, U.S.A.	Apparatus for compressing loose material into tight containers.
5.	128079	19-8-1970	W&T Avery Ltd., Soho Foundry, Birmingham 40, England.	Load indicating apparatus.
6.	128092	19-8-1970	Trutzschler & Co., 40 Rheydt, Odenkirchen, west Germany.	Settling stack for pneumatically conveyed flakes.
7.	128107	20-8-1970	Girling Ltd., Kings Road., Tyseley, Birmingham 11, England.	Brake adjuster.
8.	128124	21-8-1970	Canron Ltd., Canron Ltd., 1121, Place Ville Marie, Montreal, Quebec, Canada.	Chord liner.
9.	128159	125-0-1970	British Steel Corpn., 33, Grosvenor Place, London S.W.1., England.	Spigot and socket pipe joint.
10.	128198	27-8-1970	Girling Ltd., Kings Road., Tyseley, Birmingham 11, England.	Servo motors especially for vehicle brakes.
11.	128199	27-8-1970	Cummins Engine Co. Inc., 1000 Fifth St., Columbus, Indiana, U.S.A.	Turbine casing.
12.	128225	28-8-1970	Mefima S.A., 5 route de Beaumont, Fribourg, Switzerland.	Sewing machine.
13.	128226	28-8-1970	Angleo John Crisfulli, P.O. Box 1051, Glendive, Montana, U.S.A.	Centrifugal pump.
14.	128231	29-8-1970	Girling Ltd., Kings Road., Tyseley, Birmingham 11, England.	Disc brakes.
15.	128276	2-9-1970	F.L. Smith & Co. A/s, 77 Vigerslev Alle, Copenhagen-Valby, Denmark.	Apparatus for heating or cooling granular or powdered materials.

1	2	3	4	5
16.	128299	4-9-1970	Deggendorfer Werft Und Elsenbau, G. m. b. H., Oberhausen, Federal Republic of Germany.	Hinged barges.
17.	128326	8-9-1970	Girling Ltd., Kings, Rd., Tysley, Birmingham 11, England.	Hydraulic braking system of vehicles.
18.	128343	8-9-1970	Hermann Papst, Karl-Maier-Strasse 1, St. Gerogen Schwarzwald, Federal Republic of Germany.	A hallow body transporter for transporting utility gases.
19.	128366	10-9-1970	Opti Holding AG., Burgstrasse 24, Glarus, Switzerland.	Textile ribbons for use as stringer tapes.
20.	128447	16-9-1970	Conch International Methane Ltd., Boulevard House, Thomson Boulevard, Nassau, N.P., Bahamas.	Storage arrangement for liquified gases.
21.	128448	16-9-1970	Linden-Alimak A.B. of 93103 Skelleftea 3, Sweden.	Methods for mining in barren rock or bodies.
22.	128478	18-9-1970	Girling Ltd., Kings, Rd., Tysley, Birmingham 11, England.	Disc brakes.
23.	128481	18-9-1970	Libbey-Owens-Ford Co., 811 Madison Avenue, Toledo, Ohio, U.S.A.	Apparatus for bending glass sheets.
24.	128493	19-9-1970	Demag AG., 41 Duishburgh Wolfgang Reuter, Platz, Federal Republic of Germany.	Apparatus for cooling wide continuous metal castings particularly steel castings.
25.	128494	19-9-1970	C.A.V. Ltd., Well St., Birmingham-19, England.	Liquid fuel injection pumping apparatus.
26.	128535	22-9-1970	Rhone Progil, Rhone-Poulen, Industries, 22-Avenue Montaigne, Paris.	Electrolysis trough.
27.	128548	22-9-1970	Monsanto Co., 800 North Lindbergh Boulevard, St., Louis, Missouri-63166, U.S.S.R.	Improved extrusion of essentially inviscid jets.
28.	128597	25-9-1970	Caterpillar Tractor Co., 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Cushioned track for earth working machines.
29.	128622	28-9-1970	Huttenwerk etc., 42 Oberhausen Essener str., 66, Federal Republic of Germany.	Manufacturing green pallets from palletisable fire iron ore.
30.	128650	29-9-1970	Philip Morris Inc., 100 Park Avenue, New York, N.Y. 10017, U.S.A.	Razor with flexible band blade.
31.	128652 . . .	29-9-1970	Ujinsky Neftyanai Nauchno, NII, Ufa, Ulitsa Lenina, 86, U.S.S.R.	Device for sampling fluid.
32.	128697 . . .	5-10-1970	Envrotech Inc., 537, West 6th South Salt Lake City, Utah, U.S.A.	A float apparatus.
33.	128713 . . .	6-10-1970	Philip Morris Inc., 100 Park Avenue, New York, N.Y. 10017, U.S.A.	Multiple blade razor.
34.	128758 . . .	12-10-1970	Shell International Research Maatschappij N.V., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Cooling of soot containing gas.
35.	128792 . . .	13-10-1970	Schubert & Salzer Maschin Akt, Romerstrasse 11/12, Ingolstadt, West Germany.	Apparatus for the automatic return of a thread to the fibre collecting surface of the fibre band spinning machine.
36.	128837 . . .	15-10-1970	Vereinigte Osterreic inchische Elsen-Und Stahlwerke Alpine Montan AG., of 5, Muldenstrasse, Linz, Austria.	Measuring device for continuously measuring the temperature of metal baths.
37.	128843 . . .	16-10-1970	Girling Ltd., Kings, Rd., Tysley, Birmingham 11, England.	Vehicle braking system.
38.	128870 . . .	17-10-1970	Bata India Ltd., No. 30 Shakespear Sarani, Calcutta-700 017.	An automatic shoe moulding apparatus.

1	2	3	4	5
39.	128888 . . .	19-10-1970	Jacques Maurice Conget of 3 rue d'Auteuil, Paris 16eme, France.	Safety urinal.
40.	128894 . . .	19-10-1970	Emil K. Witzing & Rudolf Frank, (1) of Stuttgart-Weilimdorf, Greutherowoldstr19, & (2) of Ludwighurg, An Luckenberg 41, West Germany.	Radial boring machine with radial drilling machine with revolving arm.
41.	128895 . . .	19-10-1970	Do.	Radial drilling machine with a revolving arm.
42.	128928 . . .	21-10-1970	Harbans Lal Malhotra & Sons Pvt. Ltd., P-12, New C.I.T. Road, Calcutta-12.	Magazine for a ribbon-like shaving blade.
43.	128934 . . .	21-10-1970	Asahi Glass Co. Ltd., No. 1-2, Marunouchi, 2-chome, Chiyoda-ku, Tokyo, Japan.	Apparatus for forming a continuous sheet glass.
44.	128954 . . .	22-10-1970	Eugene Pierre Smits, 44a Rue des Bequines of 1080 Brussels, Belgium.	Process for making constructional ele- ments and an industrial unit for carrying out the process.
45.	128976 . . .	24-10-1970	Girling Ltd., Kings, Rd., Tyseley, Birming- ham 11, England.	Brake shoes.
46.	129103 . . .	3-11-1970	OY Tampella AB., of Tampere, Finland.	Device for calculating the angular setting of the aiming attachment for grenade throwers.
47.	129114 . . .	4-11-1970	Universal Oil Products Co., of 30, Algon- quin Rd., Des Plaines, Illinois, U.S.A.	Heat transfer tubing for boiling liquids.
48.	129126 . . .	6-11-1970	Girling Ltd., Kings, Rd., Tyseley, Birming- ham 11, England.	Vehicle brakes.
49.	129130 . . .	3-8-1970	Emhart Corp., 426 Colt Highway, Farm- ington, Connecticut, U.S.A.	Articles handling apparatus.
50.	129133 . . .	6-11-1970	Natale Cantone of Corsc in Prestinat 162, Vercelli, Italy.	Agricultural machine for filling soil.
51.	129137 . . .	7-11-1970	Borgs Fabriks Aktiebolag, Norrkaping, Sweden.	An aircraft barrier net.
52.	129138 . . .	7-11-1970	Do.	Aircraft arrestor systems.
53.	129157 . . .	9-11-1970	Siemens AG., Berlin & Munich, West- Germany.	Conveyor system.
54.	129192 . . .	13-9-1971	Ahmedabad Textile Industries, Research Association, P.O. Polytechnic, Ahmeda- bad-15.	Duel dryer for textile and like material.
55.	129199 . . .	12-11-1970	Feather Industries Ltd., 1—600 Matsumari, Mino City, Gifu, Prefecture, Japan.	Operating knife.
56.	129211 . . .	12-11-1970	OY Tampell AB., Tampere, England.	Percussion fuse for projectiles.
57.	129330 . . .	20-11-1970	Norton Co., 1 New Bond Street, Worcester, Massachusetts, U.S.A.	Abrasive grinding elements.
58.	129335 . . .	21-11-1970	Schlumberger Quersees S.A., One Kings- way, London W. C. 2., England.	Apparatus for investigating earth for- mation.
59.	129369 . . .	24-11-1970	Nippon Kokan etc., 1—3, 1—chome, Otemachi, Chiyoda-Ku, Tokyo, Japan.	Apparatus for cooling hot metals and in particulars steel materials.
60.	129371 . . .	24-11-1970	Do.	Reaction apparatus for fluidized bed.
61.	129375 . . .	24-11-1970	Stora Kopparbergs lags Aktiebolag, Falun, Sweden.	Method and device for accelerating the solidification of the drops in the manu- facture of powder from a molten material and an apparatus for producing powder by atomizing malten material.
62.	129429 . . .	28-11-1970	Metalurgical Development Co. Trust Bldg., Frederick St., Nassau, Bahamas, & Austral House, Basinghall Avenue, E.C. 2, London, England.	Blast furnaces.
63.	129443 . . .	30-11-1970	Bunker Ramo Corp., Oakbrook North, Oak Brook Illinois, U.S.A.	Positive locking snap fastener.

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64.	129474 . . .	3-12-1970	Kabel-Und Metallwerke Gutehoff-nungs-hutte Ag., Postfach 260, Vahrenwader Strasse 271, 3000 Hanover, Federal Republic of Germany.	Continuous casting mould for the casting of metal particularly steel.
65.	129482 . . .	3-12-1970	Hansen Transmissions International N.V., Naamloze, Venootschop of Boerenlegerstraate 2520, Edgem, Belgium.	A set of gear speed reducers.
66.	129492 . . .	4-12-1970	Eastman Kodak Co., 343 State Street, Rochester, New York 14650, U.S.A.	Method and apparatus for producing masked photographic transparency.
67.	129495 . . .	4-12-1970	The Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio, 44317, U.S.A.	Propulsion and processing apparatus for flouvable materials.
68.	129515 . . .	2-12-1970	Girling Ltd., Kings, Rd., Tyseley, Birmingham 11, England.	Hydraulic braking systems for vehicles.
69.	129516 . . .	5-12-1970	Conch International Methane Ltd., Boulevard House, Thompson Boulevard, Nassau N.P., Bahamas.	Method and apparatus for assembling a ceiling.
70.	129524 . . .	7-12-1970	Schubert & Salzer Maschin Akt, Postfach 260 8070 Ingelstadt, West-Germany.	A method and arrangement for supplying sliver to a fling spinning machine.
71.	129531 . . .	7-12-1970	Asahi Kasei etc., 25—1, Dajimahamadari, 1—chome, Kita-ku, Osaka, Japan.	A bobbin and its production.
72.	129547 . . .	9-12-1970	Leningradsky Metallichesky etc., Leningrad, Sverdlovskaya nabereryhnaya, 18, U.S.S.R.	Rotation speed governor for a hydraulic turbine loaded by an electric power generator.
73.	129580 . . .	14-12-1970	EMI Ltd., Blyth Road, Hayes, Middlesex, England.	Injection moulding apparatus for the manufacture of gramophone records.
74.	129583 . . .	14-12-1970	Envirotech Corp., Salt Lake City U.S.A.	Apparatus for steam drying filter cake.
75.	129639 . . .	17-12-1970	Universal Oil Products Co., No. 30, Algonquin Rd., Des Plaines, Illinois, U.S.A.	Heat transfer tube with porous boiling surface.
76.	129648 . . .	17-12-1970	Schlumberger Quersees S.A., One Kingsway, London W.C. 2, England.	Apparatus for investigating earth formation.
77.	129652 . . .	18-12-1970	Girling Ltd., Kings, Rd., Tyseley, Birmingham 11, England.	Vehicle shoe drum brake.
78.	129653 . . .	18-12-1970	Matisa Material Industriel S.A., Archen-Ciel 2, 1023 Crissier, Switzerland.	Apparatus for checking and/or the rectification of a railway track.
79.	129674 . . .	21-12-1970	Dominick Hunter (Engineers) Ltd., Washington Steel Works, Washington Co., Durham, England.	Improved filter cartridge for fluids.
80.	129741 . . .	26-12-1970	Wilhelm Stahlecker G.m.b.h., 7341 Reichenbach, West Germany.	Twin top rollers for drafting of spinning machines.
81.	129768 . . .	29-12-1970	Joseph Lucas (Industries) Ltd., Great Kings St., Birmingham, England.	Fault detecting system for road vehicles.
82.	129772 . . .	29-12-1970	Karl Ovo Torgny Walander, Elsa Brand-storm gate 5, Kingoping, Sweden.	A system for arresting aircraft upon touchdown on a launching runway.
83.	129782 . . .	30-12-1970	Girling Ltd., Kings Rd., Tyseley, Birmingham 11, England.	Lock actuators.
84.	129832 . . .	4-1-1971	Comoro Ltd.—Compro Ltd., 2242 Lakeshare Boulevard West, Toronto 500, Canada.	Incremental gear device.
85.	129833 . . .	4-1-1971	American Cyanamid, Wayne, New Jersey, U.S.A.	A medicament dispenser.
86.	129850 . . .	6-1-1971	Francis Beatty Fishburne, 24 Summit Drive, Asheville, North Carolina, U.S.A.	Apparatus for packing loose compressible material particularly leaf tobacco in rectangular container.

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87.	129852 . . .	6-1-1971 Girling Ltd., Kings Rd., Tyseley, Birmingham 11, England.	Drum type brake.	
88.	129884 . . .	8-1-1971 OY Tampella AB., Tampere, Finland.	Apparatus for storage and transport of projectiles particularly in stabilised.	
89.	129895 . . .	11-11-1971 The Tata Hydro-Electric Power Supply Co. Ltd., The Andhra Valley Power Supply Co. Ltd., The Tata Power Co. Ltd., all of Vidyut Bhavan, Murzban Road, Bombay-1.	Improved drive system for blow-room machinery.	
90.	129920 . . .	13-1-1971 Girling Ltd., Kings Rd., Tyseley, Birmingham 11, England.	Disc brakes.	
91.	129931 . . .	14-1-1971 The Dunlop Co. Ltd., Dunlop House, Ryder, St., James's, London S.W. 1, England.	Reinforced flexible hose.	
92.	129936 . . .	14-1-1971 Nippon Kokan etc., 1-3, 1-chome, Otamachi, Chiyoda-ku, Tokyo, Japan.	Continuously manufacturing cold rolled steel sheet for drawing.	
93.	129937 . . .	14-1-1971 Izhorsky Zavod Ect, Kalpino Lenin-oradsky Oblasti, U.S.S.R.	Tooth of the bucket of a digging machine.	
94.	129957 . . .	15-1-1971 Vscojuzny Nauchno Etc., Leninsky, Prospect 6, Moscow, U. S. S. R.	Device for building up down pressure on well face during drilling.	
95.	130011 . . .	20-1-1971 M.H. Detrick Co., 20 North Wacker Drive Chicago, Illinois, U.S.A.	Scrubbing apparatus for polluted gases.	
96.	130022 . . .	21-1-1971 Dart Industries Inc., 8480, Beverly Boulevard, Los Angeles 54, California, U.S.A.	Locally distortable internally molded thermoplastic closure member.	
97.	130024 . . .	21-1-1971 E.I. Du Pont Etc., Wilmington, Daleware, U.S.A.	Thermometric devices.	
98.	130042 . . .	25-1-1971 Girling Ltd., Kings, Rd., Tyseley, Birmingham 11, England.	Mechanical couplings for frictional elements of brake.	
99.	130085 . . .	28-1-1971 Do.	Mechanical coupling for shoe drum.	
100.	130091 . . .	28-1-1971 Kremenchugsky Avtomobilny Zavod, Kremenchug Piltavskai, Oldersti Ulitsa, Lenina 80/12, U.S.S.R.	Device for controlling the diesel engine of vehicles provided with a motor brake.	
101.	130095 . . .	28-1-1971 Ubc Industries Ltd., 12-32, 1-chome, Nishihon Machi, Ubc-shi, Yamoguchi, Japan.	Apparatus for removing impurities from solid granules.	
102.	130100 . . .	29-1-1971 Dunlop Holdings Ltd, Dunlop House, Printers blankete. Ryder St., St. James's, London S.W. 1, England.	Printers blankets.	
103.	130102 . . .	29-1-1971 USS Engineers & Consultants Inch., 525 William Penn Place, Pittsburgh,	Automatically supplying oil to a hot strip rolling mill.	
104.	130112 . . .	29-1-1971 G.V. Pendse, 114/8, Kamatkar Bungalow, Old Polic Lanes, Murarji Peth, Sholapur, Maharashtra, India.	Automatic con-chaning attachment for an ordinary over picking power loom.	

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105.	130119 . . .	30-1-1971	Dunlop Holdings Ltd., Dunlop House, House pipes. Ryder St., St. James's, London S.W. 1, England.	
106.	130120 . . .	29-5-1971	N. Chakravarti, 639 Block 'O', New Alipur, Transmission towers or poles. Calcutta-53, India.	
107.	130135 . . .	2-2-1971	Girling Ltd., Kings Rd., Tyseley, Birmingham 11, England.	Disc brakes.
108.	130141 . . .	2-2-1971	Nippon Kokan Etc., 1—3, 1—chome, Otemachi, Chiyoda-ku, Tokyo, Japan.	Blowing such fluid as reducing gas into a furnace and boring apparatus for use therein.
109.	130183 . . .	4-2-1971	Jawa Narodni Podnik, Tynec nad, Sazavan, Czechoslovakia.	Head light for motor vehicle.
110.	130208 . . .	8-2-1971	Bekeart-Cockerill, Scheldeboord 10, B—2620 Hemiksem, Belgium.	Manufacturing steel wool, profile steel wire to be used in this method and steel wool manufactured according to this method.
111.	130217 . . .	9-2-1971	Borgs Fabriks Aktiebolage, Norrkoping, Sweden.	A method of operating energy absorbers and an apparatus therefore.
112.	130228 . . .	10-2-1971	Conch International Methane Ltd., Boulevard House, Thompson Boulevard, Nassau N.P., Bahamas.	Welding together sheets to form walls, tanks or the like.
113.	130247 . . .	12-2-1971	The Goodyear Tire & Rubber Co., 1144 East Market St., Akron, Ohio, U.S.A.	Inflatable shelter and method of erection.
114.	130262 . . .	15-2-1971	A.R. Wilfley & Sons Inc., 1860 Lincoln, Denver, Colorado, U.S.A.	Centrifugal pumps and seal means therefor.
115.	130279 . . .	16-2-1971	USS Engineers & Consultant Inc., 600, Grant St., Pittsburgh, Pennsylvania, U.S.A.	Spray nozzle.
116.	130286 . . .	16-2-1971	Vsesojuzny Nauchno etc., Gerodoskaya Ulitsa 10, Moscow, U.S.S.R.	Rotor mould for continuous casting of metals.
117.	130311 . . .	17-2-1971	Bunker Ramo Corp., Oakbrook North, Oak Brook, Illinois, U.S.A.	Pin and socket removal tool.
118.	130324 . . .	19-2-1971	Intermenua (Proprietary) Ltd., 101 Medical Towers, Jeppe St., Johannesburg, Transval Province, Republic of South Africa.	Shearing or cutting machines.
119.	130333 . . .	20-2-1971	Do.	Shearing machine.
120.	130335 . . .	20-2-1971	Meftna S.A., 5, route de Beaumont, Fribourg, Switzerland.	Sewing machine presser foot.
121.	130361 . . .	25-2-1971	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W. 1, England.	Apparatus for cooling extruded tubing.

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122.	130365 . . .	25-2-1971	Westinghouse Electric Corp., Pittsburgh, Pennsylvania, U.S.A.	A self lubricating bearing assembly.
123.	130404 . . .	27-2-1971	Girling Ltd., Kings, Rd., Tyselby, Birmingham 11, England.	Disc brakes.
124.	130431 . . .	2-3-1971	Lewis Woolf Gripitigut Ltd., Oakfield Rd., Sellyook, Birmingham, England.	Infant feeding bottle.
125.	130529 . . .	11-3-1971	Siemens AG., Berlin & Munich, West-Germany.	A vector analyser for ascertaining the properties of vector from two orthogonal components of the vector.
126.	130556 . . .	16-3-1971	Fisons Ltd., Harvest House, Felixstowe, Suffolk, England.	Device for dispensing medicament in a finely divided powder form.
127.	130560 . . .	16-3-1971	Aquavoir Holdings Co. S.A., Apartado 850, Panama 1, Republic of Panama.	Unit for collecting rain water.
128.	130565 . . .	16-3-1971	L.G. Hudson, Little Cope Hall, Epping, Essex, England.	A runner for drawer support units.
129.	130574 . . .	16-3-1971	Establishment Salgad, of Liechtenstein Right.	Arrangement for unlocking a tension-member in gems recoil brake.
130.	130592 . . .	16-3-1971	Knorr Bremse G.m.b.H., 8 München 13, Moosacher Strasse 80, Federal Republic of Germany.	A compressed air braking equipment for rail vehicles.
131.	130602 . . .	17-3-1971	Binks-Bullows Ltd., Pelsall Road, Brown-hills, Staffordshire WS87AW, England.	A nozzle for use in a spray gun.
132.	130608 . . .	17-3-1971	Bekum Maschinen Fabriken G.m.b.H., 1 Berlin 42, Lankwitzer Strasse, Federal Republic of Germany.	Blow moulding apparatus.
133.	130624 . . .	18-3-1971	C.A.V. Ltd., Well St., Birmingham 19, England.	Liquid fuel pumping apparatus.
134.	130630 . . .	18-3-1971	Igoro-Gorodetsky, Leningradskoe, shosse 112/1, KU 663, Moscow, U.S.S.R.	Mass transfer column type apparatus.
135.	130692 . . .	23-3-1971	Novosibirsky Metallurgichesky Zavod Imeni Novosibirsk, Ulitsa, Stantsionaya 28, U.S.S.R.	Device for automatic thickness control of rolled strips.
136.	130694 . . .	23-3-1971	Shalom Y. Rubinstein & Others, Minsk Ulitsa Kozlova, 52 KN 32, U.S.S.R.	Exhaust noise muffler of I-C engine.
137.	130743 . . .	26-3-1971	Establishment Salgad, Voduz, Liechtenstein.	Device for unlocking a traction unit particularly with vehicles.
138.	130747 . . .	28-1-1972	C.M. Joseph Fairlie Palace, Calcutta 1, India.	Detection of train on a rail section.
139.	130752 . . .	27-3-1971	Sperry Rand Corp., Crooks & Maple Rds., Troy, Michigan 48084, U.S.A.	Axial piston pumps.
140.	130768 . . .	29-3-1971	Medical Testing Systems Inc., 9601 Wilshire Boulevard, Beverly Hills, California, U.S.A.	Clinical specimen collecting implement.

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141.	130790 . . . . .	30-3-1971 Werkzeugmaschinenfabrik Oerlikon-Bührle AG., Birchstrasse 155, 8050 Zürich, Switzerland.	Automatic load dependent compressed air brake systems.	
142.	130808 . . . . .	1-4-1971 Shell International Research Maatschappij Boulevard, 30 Carel Van Bylandtlaan, The Hague, The Netherlands.	Apparatus for affecting the intimate mixing of two gaseous streams.	
143.	130834 . . . . .	3-4-1971 Borgs Fabriks Aktiebolag 60104, Narrkäping, Sweden.	Apparatus for regulating the driving torque and energy absorption in absorption devices.	
144.	130840 . . . . .	5-4-1971 Eastman Kodak Co., 343 State Street, Rochester, New York 14650, U.S.A.	Film cartridge.	
145.	130859 . . . . .	6-4-1971 Girling, Ltd. Kings Rd., Tyseley, Birmingham 11, England.	Servo boosters for vehicle.	
146.	130890 . . . . .	7-4-1971 Do.	Disc brakes for vehicles.	
147.	130894 . . . . .	8-4-1971 Nedschroef Octrooi Maatschappij N.V., Kanaal IJdijk 71, Helmand, The Netherlands.	Device for rolling screw thread.	
148.	130929 . . . . .	12-4-1971 B.S.C. Footwear Ltd., Sunningdale Rd., Leicester, England.	Apparatus for manufacturing goods particularly boots and shoes made.	
149.	130948 . . . . .	13-4-1971 Kennedy Van Saun Corp., of Beaver St., Danville, Pennsylvania, U.S.A.	Process and apparatus for preheating limestone or like.	
150.	130949 . . . . .	13-4-1971 Sain Gobain Industries, of 62 Boulevard, Victor-Hugo, Neuilly-sur-Seine, France.	Apparatus for the formation of sheet or mats of fibres or thermoplastic material.	
151.	130951 . . . . .	13-4-1971 I.T.A., Hartman, 700 Capac Court, St., Louis, Missouri, U.S.A.	Elastomers in shear in force transfer systems.	
152.	130974 . . . . .	14-4-1971 Dunlop Holdings Ltd., Dunlop House, Ryder St., St. James's, London S.W.1., England.	Flexible interconnectable hosepipe.	
153.	130977 . . . . .	14-4-1971 Sulzer Brothers Ltd., Winterthur, Switzerland.	A storage device of filamentary material.	
154.	130979 . . . . .	14-4-1971 Philip Morris Inc., 100 Park Avenue, New York, N.Y. 10017, U.S.A.	Safety razor embodying blade pressure control.	
155.	130995 . . . . .	16-4-1971 Applied Power Industries Inc., P.O. Box 3100, Milwaukee, Wisconsin, U.S.	Freely positionable force distributing device.	
156.	130996 . . . . .	16-4-1971 Do.	Self stabilising force distributing apparatus.	
157.	131013 . . . . .	17-4-1971 Manuel Punsola Fabregat P.O. Box 589, Portola street 14, Barcelona, Spain.	Manufacture of wiping ring or piston ring.	

## PATENTS SEALED

141203 141466 141486 141491 141493 141500 141515 141519  
 141521 141561 141682 141683 141684 141695 141698 141701  
 141703 141709 141713 141722 141725 141741 141798 141799  
 141804 141805 141811 141826 141842 141850 141855 141857  
 141902 141943 141961 141962 141963 141964 141965 141966  
 141973 141997 142003 142027 142046 142062 142320

## AMENDMENT PROCELDINGS UNDER SECTION 57.

Notice is hereby given that Mahasooriyat Mahamalimage Hubert Ignatius Fernando, of 22/4 Santamore, Puranappu Rajamawatha, Moratuwa, in The Agricultural Instructorate of the Dept. of Agriculture, Sri Lanka, a citizen of Sri Lanka, have made an application under Section 57 of the Patents Act,

1970 for amendment of the specification of their patent application No. 140803 for "Parboiling and drying of paddy". The amendments are by way of correction and disclaimer by deletion of claim 10 on file. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing of the said notice.

Notice is hereby given that Wharton Shipping Corporation, a Corporation of the Republic of Panama, C/o. Quijano Associates, Avenida J. Arosemenay Calle 32, Edificio Vallarino, Panama, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their patent No. 140898 for "Vessel for flotation loading and unloading and partial buoyancy support of barges and other floating containers". The amendments are by way of explanation and correction so as to define the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement be left within is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

The amendment proposed by Bayer Aktiengesellschaft in respect of patent No. 136337 as advertised in Part III, Section 2 of the Gazette of India dated the 20th August 1977 have been allowed.

The amendment proposed by I. S. F. Societa per Azioni in respect of application for patent No. 141326 as advertised in Part III, Section 2 of the Gazette of India dated the 1st October 1977 have been allowed.

#### REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

136014. M/s. Associated Textile Engineers Private Limited.

#### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	& Title of the invention
82500 (20-4-72)	Process for preparing benzamide compounds.
93969 (20-4-72)	New process for the preparation of substituted benzamides.
97704 (20-4-72)	Process for the separation of anticoagulant material from the venom of <i>ancistrodon rhodostoma</i> .
101071 (20-4-72)	Method for the production of new organic amines.
131900 (28-3-72)	Improvements in or relating to heat treatment of etched aluminium and its alloy for use as electrodes in aluminium electrolytic capacitors.
135644 (24-5-72)	A process for refining an alloy steel containing chromium.

#### RENEWAL FEES PAID.

79378 84332 86099 86158 86290 86401 86409 86480 86658  
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 138695 138747 138786 138802 138828 138906 138926 139037  
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 141074 141137 141166 141185 141204 141230 141238 141239  
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#### CESSATION OF PATENTS.

104034 104042 104044 104069 104103 104106 104133 104138  
 104147 104154 104179 104183 104188 104189 104190 104191  
 104194 104229 104232 104237 104252 104267 104283 104284  
 104294 104299 104301 104310 104314 104331 104336 104343  
 104352 104364 104411 104414 104417 104420 104446 104453  
 104454 104459 104493 104495 104498 113523 114301 140355  
 140539 140660

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 119935 granted to American Machine & Foundry Company for an invention relating to "improvements in knives in cutting machines". The patent ceased on the 1st March, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th February, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 25th April, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 135189 granted to Raymond Charles Glicksberg for an invention relating to "a sound amplitude limiting device". The patent ceased on the 6th April, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 21st January, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 25th April, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138091 granted to Hukum Chandra Sharka for an invention relating to "pressure transducer". The patent ceased on the 22nd March, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III Section 2 dated the 20th January, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 25th April, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of

Patent No. 138672 granted to Harish Kumar Agarwal, for an invention relating to "a voltage stabilizer adopted to connect a D.C. source". The patent ceased on the 7th April, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 21st January, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 25th April, 1978 under Rule 69 of the Patents Rule, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## REGISTRATION OF DESIGNS.

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 145821. Jagadish Prasad Gupta, An Indian National, trading as : Road reflective roses, 281/1, Prempuri, Meerut City, Uttar Pradesh, India. "Reflective stud (cateyes), July 12, 1977.

COPYRIGHT EXTENDED FOR A SECOND PERIOD  
OF FIVE YEARS.

Design Nos. 140169, 140421, 140548, 140551, 140683, 144989,  
144990 & 144999 Class 1.

Design Nos. 140085, 140089, 140359, 140716 & 140717 Class 3

Design Nos. 140170, 140370, 140358 & 140360 Class 4.

Design No. 140171 Class 5.

COPYRIGHT EXTENDED FOR A THIRD PERIOD  
FIVE YEARS.

Design No. 144990 Class 1.

S. VEDARAMAN  
Controller-General of Patents, Designs  
and Trade Marks.



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 9] नई दिल्ली, शनिवार, मार्च 4, 1978 (फाल्गुना 13, 1899)  
No. 9] NEW DELHI, SATURDAY, MARCH 4, 1978 (PHALGUNA 13, 1899)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

#### PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा ज्ञारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

#### Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 4th March, 1978

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under the Section 135 of the Act.

27th January, 1978

100/Cal/78. Anic S.p.A. Process for preparing 2, 6, 6-trimethyl-2-cyanomethyl-tetra-hydropyran. [Divisional date March 22, 1976].

101/Cal/78. Anic S.p.A. Process for preparing 2-methyl-2-cyanomethyl-5-isopropyl-tetrahydofuran. [Divisional date March 22, 1976].

102/Cal/78. Prof. D. R. Phatak and Mrs. Vijaya Phatak. A novel construction of a cigarette.

28th January, 1978

103/Cal/78. Institut Francais DU Petrole. Drill bit with suction jet means.

104/Cal/78. Institut Francais DU Petrole. Drill bit with suction jet means.

105/Cal/78. Gulf Oil Corporation. Process for preparing carbametiazole insecticides. [Divisional date April 7, 1977].

106/Cal/78. American Optical Corporation. Production of photochromic particles, and plastic bodies containing the same. [Divisional date July, 21, 1975] [Addition to 1419/Cal/75].

107/Cal/78. V. F. Gusev, (a) G. N. Ivanov, (3) V. Y. Kontarev, (4) G. I. Krengel, (5) E. O. Polivoda, (6) A. N. Skvortsov, (7) J. I. Schetinin, (8) V. Y. Kremley, (9) M. Z. Shagivaleev and A. U. Yarmukhametov. Data Processing device for variable length formats.

30th January, 1978

108/Cal/78. Kraftwerk Union Aktiengesellschaft. Radial plain bearing for a rotating shaft.

31st January, 1978

109/Cal/78. Matsushita Electric Works Ltd. and Sumitomo Chemical Company Limited. Controlling agent for controlling injurious insects, method for producing the same and method for controlling injurious insects using the same.

110/Cal/78. Sri Girija Bhusan Ganguli. Tape system digit calculator.

111/Cal/78. Tideland Signal Corporation. Self-regulating power system having a power converter and battery.

112/Cal/78. Siemens Aktiengesellschaft. Bolt locking device.

113/Cal/78. Sergei Zinovich Vasil'ev, (2) Lidia Fedorovna Korotkova, (3) Marina Nikolacvna Leonidova, (4) Leonid Alexandrovich Mikhailov. Method of heat treating magnetic circuit sheets in relatively high-carbon steel.

114/Cal/78. Institut Vysokikh Temperatur Akademii Nauk SSSR. Magnetohydrodynamic device.

115/Cal/78. H. R. Gupta. An electrically operated combination lock.

1st February, 1978

116/Cal/78. Cav Limited. Fuel injection pumping apparatus (February 5, 1977). [Addition to No. 715/Cal/74].